

<b>SUPPORT AGREEMENT</b>		1. DOCUMENT IDENTIFIER ("X" one)			
		<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVIEW NO. _____ <input type="checkbox"/> REVISION NO. _____ <input type="checkbox"/> TERMINATION			
2. SUPPLIER (Name, Office Symbol & complete address) DA, HQ, 172d Infantry Brigade (AK) ATTN: AFZT-CM-MS Fort Richardson, AK 99505  GEOGRAPHICAL AREA OR COUNTRY CODE: 02		2a. MAJOR COMMAND CODE W33GU3		2b. SUBORDINATE COMMAND CODE WC1SH3	
		3. PRESENT AGREEMENT NUMBER WC1SH3-83019-103		4. TERMINATION DATE (Month and Year)  0189	
		3a. SUPERSEDED AGREEMENT NUMBER WC1SH3-77006-103			
5. RECEIVER (Name, Office Symbol & complete address) DA, HQ, USA Facilities Engineering Support Agency Fort Belvoir, VA 22060  GEOGRAPHICAL AREA OR COUNTRY CODE: 02		5a. DODAAC/FEDSTRIP NUMBER W26HBF			
		5b. MAJOR COMMAND CODE W74RDV		5c. SUBORDINATE COMMAND CODE W26HBF	
6. SUPPORT AGREEMENT RESOURCE SUMMARY					
a. CATEGORY CODES	SUPPLIER				
	b. MAN YEARS		c. GROSS ADDITIONAL COSTS		
	MILITARY	CIVILIAN	TOTAL	NON-REIMBURSEABLE	REIMBURSEABLE
AW					
TOTAL					
6d. RECEIVER DATA (When applicable, provide similar data required in blocks 6a, b and c)					
7. SAVINGS ACCRUED/COSTS INCURRED/MAN YEARS SAVED/EXPENDED TO FEDERAL GOVERNMENT					
7a. SAVINGS		7b. COSTS		7c. MAN YEARS SAVED	7d. MAN YEARS EXPENDED
FY:		FY:		FY:	FY:
8. FUNDING AND REIMBURSEMENT ARRANGEMENT (Include all details concerning billing/reimbursement procedures, funding limitations, and the appropriate "billing/submit thru" addresses. Also list those references which specifically apply to the type of organization being supported.)					
Non-Reimbursable					

9. GENERAL PROVISIONS (Complete blank spaces): The following general provisions, as set forth in Chapter III, DOD 4000.19-M, apply to this agreement unless otherwise specified in "Remarks" block below:

a. The Receiving Activity will provide the Supplying Activity projections of support required to accomplish its mission. Significant changes in the Receiving Activity function, mission or support requirements will be submitted by the Receiving Activity in a manner that will permit timely modification of resource requirements.

b. It is the responsibility of each agency providing support under this agreement to bring any required or requested change in support to the attention of AFZT-CM-MS prior to providing/reducing unilaterally such additional/reduced support.

c. Activities providing reimbursable support in this agreement will submit a monthly statement of costs to AFZT-CM-FA for preparation of billing document, SF 1080.

d. Manpower required in support of this agreement which is subject to return to the lending activity upon termination of the agreement: NONE (Enter number or if no manpower is required, enter "None").

e. All rates expressing the unit cost of services provided in this agreement are based on current rates which may be subject to change for uncontrollable reasons, such as Congressional legislation, DOD directives, commercial utility rate increases, etc. The receiver will be notified immediately of such rate changes.

f. This agreement will be reviewed biennially at least 120 days prior to the anniversary date. It may be revised at any time upon the mutual consent in writing of the parties concerned.

g. This agreement may be cancelled at any time by mutual consent of the parties concerned. This agreement may also be cancelled by either party upon giving at least 180 days written notice to the other party.

h. In case of mobilization or other emergency, this agreement will remain in force within supplier's capabilities, subject to normal cancellation provisions and will be subject to review at that time. This agreement will not be terminated if such action impairs the combat mission of the receiving activity as determined by higher headquarters.

10. REMARKS

11. COMPTROLLER CONCURRENCE (Supplier Signature & Date)		12. COMPTROLLER CONCURRENCE (Receiver Signature & Date)	
13. TYPED NAME AND ORGANIZATION OF SUPPLIER APPROVING AUTHORITY  See Signature Page (page 7)		13a. SIGNATURE	13b. DATE
14. TYPED NAME AND ORGANIZATION OF RECEIVER APPROVING AUTHORITY  See Signature Page (page 7)		14a. SIGNATURE	14b. DATE

MEMORANDUM OF UNDERSTANDING

BETWEEN

HEADQUARTERS, 172d INFANTRY BRIGADE (ALASKA)

AND

THE CHIEF OF ENGINEERS

FOR

SUPPORT OF THE DECOMMISSIONED

SM-1A NUCLEAR POWER PLANT

FORT GREELY, ALASKA

Incl 1

## MEMORANDUM OF UNDERSTANDING

1. PURPOSE. The purpose of this Memorandum of Understanding is to delineate responsibilities and establish working arrangements among Alaska District, Corps of Engineers; Headquarters, 172d Infantry Brigade (Alaska); and the Commander and Director, USA Facilities Engineering Support Agency, for the decommissioned SM-1A Nuclear Power Plant.

2. REFERENCES. See ANNEX A.

### 3. GENERAL PROVISIONS.

a. The completion of the SM-1A Nuclear Power Plant decommissioning will be in accordance with the Decommissioning Plan dated 17 March 1972, with changes, and applicable regulations and standards in ANNEX A. The Decommissioning Plan was approved by the Chief of Engineers on 21 April 1972.

b. Upon completion of decommissioning, the nuclear system will have been deactivated and the components encased or disposed of and the non-nuclear secondary system (mothballed in place for possible future use) will be transferred to the property accounts of Fort Greely.

c. The Post-Decommissioning Environmental Radiological Monitoring (ENRADMON) and the Post-Decommissioning Site Surveillance of the encased structure will be a continuing joint effort of Alaska District, Corps of Engineers; Headquarters, 172d Infantry Brigade (Alaska); and the US Army Facilities Engineering Support Agency (USAFESA).

### 4. RESPONSIBILITIES.

a. The Commander and Director, USAFESA, will:

(1) Execute the Post-Decommissioning ENRADMON Plan. USAFESA is the responsible agency for sample collection, processing and analysis. Copies of all environmental monitoring reports will be furnished as follows:

Army Materiel Development and Readiness Command (2)

HQ, 172d Inf Bde (AK)

DFAE (2)

Dir, Health Svc (1)

Alaska District, CE (1)

OCE, Safety Office (1)

✓ (2) Conduct the radiological monitoring portion of the Post-Decommissioning Site Surveillance Plan and publish the Annual Site Surveillance Report. USAFESA will retain basic responsibility for the encased radioactive materials on the SM-1A site. USAFESA will be responsible for collection, processing, and analysis of samples and dosimeters involved with site surveillance. In the case of any breach of the encasement structures, USAFESA will be responsible for the restoration of integrity. Copies of the Annual Site Surveillance Report will be distributed as follows:

Army Materiel Development and Readiness Command (2)

HQ, 172d Inf Bde (AK)

DFAE (2)

Dir, Health Svc (1)

Alaska District, CE (1)

OCE, Safety Office (1)

(3) Provide USAFESA's representatives (at least two qualified health physicists equipped with appropriate radiation survey equipment) for the Special Investigative Team in the event of sabotage, severe accident, or severe natural occurrence to the encased structure.

(4) Provide HQ, 172d Inf Bde (AK), ATTN: DFAE with:

(a) One set of reproducible prints of all structures, equipment and facilities affected by decommissioning.

(b) Record of location, survey results and identification of all radioactive material and equipment.

(c) Reconciliation of installed property records to reflect disposal, abandonment or encasement of property.

b. The Director for Engineering, 172d Inf Bde (AK) (DFAE) will:

(1) Accept the property accountability of the non-nuclear secondary system, equipment and supplies which are necessary for a possible future use as a power generating station. DFAE will be responsible for any required equipment additions to existing TDA or TO&Es. Justification where required will be provided by USAFESA.

(2) Assume the responsibility for the routine maintenance and upkeep of the remaining SM-1A facility, to include routine maintenance and continual informal structural surveillance of the encasement structures. DFAE will have the additional responsibility to promptly inform USAFESA and Alaska District, Corps of Engineers of any significant structural abnormalities noted during routine surveillance.

(3) Allow USAFESA personnel periodic access to the SM-1A site for purposes of Site Surveillance and ENDRADMON sample collection. Provide ladders, shovels and similar tools necessary for periodic sample collection.

(4) Provide 172d Inf Bde (AK)'s representatives for the Special Investigative Team in the event of sabotage, severe accident, or severe natural occurrence to the encased structure.

c. The Director, Health Services, will provide services for medical advice in matters pertaining to environmental hazards.

d. Alaska District, Corps of Engineers will:

(1) Conduct formal structural inspections of the encasement structure. Alaska District will provide USAFESA quarterly reports for the first year, and semi-annual reports thereafter containing all appropriate structural surveillance data written in sufficient detail to allow a thorough analysis without the requirement for supplementary data.

(2) Provide Alaska District, Corps of Engineers' representatives (at least one structural expert) for the Special Investigative Team in the event of sabotage, severe accident, or severe natural occurrence to the encased structure.

#### 5. FUNDING RESPONSIBILITIES.

a. The Commander and Director, USAFESA will fund for all activities as outlined in paragraph 4a.

b. The DFAE will fund for all activities as outlined in paragraph 4b.

c. The Director, Health Services, will fund for all activities as outlined in paragraph 4c.

d. Alaska District, Corps of Engineers, will be funded on a reimbursable basis by USAFESA for all activities as outlined in paragraph 4d.

6. RADIOLOGICAL SURVEY. USAFESA will be responsible for a final site radiological survey that provides assurance that the site is radiologically safe. The site will not be released until radiation dose levels are within the limits specified by 10CFR20 and contamination levels within the limits specified in "Guideline for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material", published by the Division of Materials Licensing, US Atomic Energy Commission, 22 April 1970.

6. EFFECTIVE DATE.

a. This Memorandum of Understanding will be effective when approved by the respective approving authorities and will remain effective until such time as terminated by mutual agreement of the parties hereto.

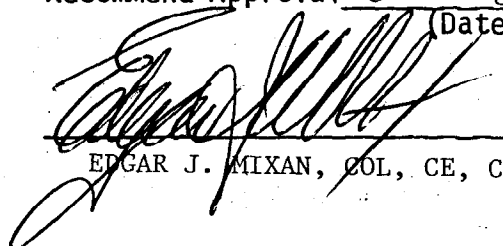
b. Review, renegotiation or amendment to the provisions contained herein may be initiated at any time upon a written request by the parties hereto.

c. This Memorandum of Understanding will be reviewed annually as of the effective date.

Post Commander  
172d Infantry Brigade (Alaska)  
Fort Greely, Alaska  
Recommend Approval 19 JAN 83  
(Date)

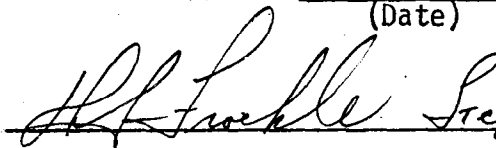
  
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DA, US Army  
Facilities Engineering Support Agency  
Recommend Approval 8 OCT 82  
(Date)

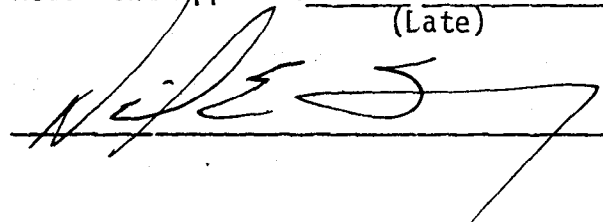
  
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EDGAR J. MIXAN, COL, CE, CDR & DIR

Director of Facility Engineering  
172d Infantry Brigade (Alaska)  
Recommend Approval 5 Feb 82  
(Date)

  
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DA, US Army  
Alaska District  
Corps of Engineers  
Recommend Approval 12 JUL 82  
(Date)

  
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Director  
DA, HQ, USAMEDDAC-AK  
Recommend Approval 10 AUG 82  
(Date)

  
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FORT GREELY - USAFESA SUPPORT AGREEMENT

ANNEX A

BIBLIOGRAPHY

MEDICAL AND HEALTH PHYSICS

1. 10 CFR 20, Standards for Protection Against Radiation
2. AR 40-13, Radiological Emergency Medical Terms
3. AR 40-14, Control and Recording Procedures, Occupational Exposure to Ionizing Radiation
4. AR 385-11, Ionizing Radiation Protection.
5. TB-MED-249, Protection Against Radiations from Sealed Gamma Sources
6. TB-MED-251, Noise and Conservation of Hearing
7. TB 11-6665-206-35/1 (26 Jun 67) and TB 11-6665-209-35/1, Calibration Procedures for Radiac Sets
8. ALCOM Regulation 136-3, Disposal of Unwanted Radioactive Material

PERSONNEL QUALIFICATIONS AND TRAINING

1. 10 CFR 55, Operators Licenses
2. AR 350-224, Selection of Nuclear Power Plant Operators
3. AR 50-5, Nuclear Surety
4. TB-MED-257, Guidelines for Medical Evaluation of Applicants and Personnel in Army Nuclear Power Program

TRANSPORTATION

1. 10 CFR 21, Regulations to Protect Against Accidental Conditions of Criticality in the Shipment of Special Nuclear Material
2. 49 CFR, Transportation
3. AR 385-11, Ionizing Radiation Protection
4. AR 55-228, Transportation by Water of Explosives and Hazardous Cargo
5. TM 55-315, Transportability Guidance for Safe Transport of Radioactive Materials

## SAFETY

1. 10 CFR 100, Reactor Site Criteria
2. AR 20-1, Inspector General Activities and Procedures
3. AR 385-10, Army Safety Program
4. AR 385-12, Safety, Fire Report
5. AR 385-30, Safety Color Code-Markings and Signs
6. AR 385-32, Protective Clothing and Equipment
7. AR 385-40, Accident Reporting and Records
8. AR 385-80, Nuclear Reactor Systems Health and Safety Program
9. ER 385-1-80, Safety-Radiological Safety
10. EM 385-1-1, Safety-General Safety Requirements
11. Letter, AGAM-P, HQ, DA, 29 Jul 64, "Army Reactor Systems Health and Safety Review Committee"
12. 172d Bde Regulation 385-11, Radiation Safety and Control

## LICENSES

1. 10 CFR 30, Rules of General Applicability to Licensing of Byproduct Material
2. 10 CFR 33, Specific Licenses of Broad Scope for Byproduct Material
3. 10 CFR 40, Licensing of Source Material
4. 10 CFR 50, Licensing of Production and Utilization Facilities
5. 10 CFR 70, Special Nuclear Material
6. 10 CFR 140, Financial Protection Requirements and Idemnity Agreements
7. AR 385-11. Ionizing Radiation Protection.
8. AR 700-25, Nuclear Reactors - Authorization and Accounting of Utilization Facilities and Special Nuclear Material for Use Therein

MISCELLANEOUS

1. Title 10, Code of Federal Regulations
2. AR 37-49, Budgeting
3. AR 360-43, Information Guidance - Nuclear Accidents and Nuclear Incidents
4. AR 500-60, Disaster Relief
5. AR 700-68, Safe Handling, Storing, Shipping, Use and Disposal of Compressed Gas Cylinders
6. AR 705-5, Army Research and Development
7. AR 750-24, Field Engineering Service by AEC
8. AR 755-15, Disposal of Unwanted Radioactive Material
9. CPR-2 Paragraph 1-1 C (4))
10. TAG Ltr, 29 Jul 64, subject: Army Reactor Systems Health and Safety Review Committee
11. TAG Ltr, 12 Mar 66, subject: Army Reactor Systems Health and Safety Review Committee
12. DA Ltr, AGAM-P (M), subject: Guidelines for Environmental Radiological Monitoring at U.S. Army Nuclear Reactor Facilities, dated 20 Oct 65
13. Plan for Decommissioning of SM-1A Nuclear Power Plant
14. Report, 14 April 1972, Army Reactors Systems Health and Safety Review Committee